
Operation

Metering is applied on a route basis. When setting up a customer for the feature, CO routes that are to be metered should only have access to routes that are metered. Calls should not be allowed to overflow to a nonmetered route. The BGD and the SL-1 or Meridian digital telephones can show the accumulated number of calls for each DN meter assigned.

Background terminal command summary

The following four MR options can be set from a BGD:

AL1	Value set for all Room DNs in the customer data block
X	Represents all possible values for a digit in a DN, so that nonsequential DN groups can all be set to the same value
RAnge	Sequential range of DNs can be set by entering the first and last DNs for the group
COncfirm	Response to the SEt command for verification

For a complete and detailed description of all the BGD commands, refer to the *Background Terminal Facility Description*.

The general command format for the BGD appears as follows:

```
SEt Option <opt> ON
SEt Option <opt> OFF
```

<opt> = any combination of AL1, X, RA, and CO

All of the commands for the BGD/MR can be turned on or off with the following commands:

```
SEt Option ON
SEt Option OFF
```

MR commands are described in [Table 4](#). The following examples demonstrate some MR operations.

Setting room meters

When setting room meters for a group of consecutive DNs, the second DN entered must be greater than the first DN entered. The value set for each meter must be between 0 and 32766. The confirm option must be set to get a response for input commands.

Selecting a single DN

Enter the following command to set meter 1246 to a value of 9:

SE ME 1246 VA 9

If the global COnfirm command is switched on, the following response appears (if the meter had previously been switched off):

ME 1246 OFF TO 9

Enter the following command to set meter 1246 to a value of 0 (either ZERo or VAlue 0):

SE ME 1246 ZE or SE ME 1246 VA 0

Enter the following command to switch meter 1246 off:

SE ME 1246 OFF

Once a meter has been set, a series of command lines consisting of only DN and meter values can be entered as shown in [Table 3](#):

Table 3
MR commands

Command Line	Typical Response
SE ME 1246 VA 10	METER 1246 OFF TO 10
1248	METER 1248 OFF TO 10
1257 20	METER 1257 9 TO 20
1259 0	METER 1259 64 TO ZERO

This mode stays in effect until a nonnumeric entry is typed.

Note: In a list, the number 0 is used, instead of ZE.

The customer meter can be accessed using similar commands, but it cannot be turned off as other meters can. CUser can be added to the end of a command accessing other meters, as shown in the following sample commands:

SE ME CU VA 9

(PR) ME CU

(PR) ME 1200 1205 CU

Selecting Multiple Appearance DNs

Enter the following command to set meters 1240 to 1249 to a value 9 using the inclusive range (dn1 dn2) method:

SE ME 1240 1249 VA 9

Enter the following command to set meters 1240 to 1249 to a value of 9 using the “X substitution” method:

SE ME 124X VA 9

Enter the following command to set all meters to a value of 9:

SE ME AL VA 9

Table 4 summarizes the MR set commands.

Access to meters

Meters are accessed from a standard data terminal (TTY) or an SL-1 Display Telephone equipped with a Message Registration key/lamp pair. The TTY must be defined in the configuration record as a BGD. The BGD can be used exclusively for meter access of the two background features Automatic Wake Up (AWU) and room status information (RMS), or it can be shared with other functions:

- Erase the pulse count units stored on a meter.
- Change the pulse count units stored on a meter.
- Search for nonzero meters (TTY only).
- Read the pulse count units stored on a meter.
- Print the pulse count units stored on meters (TTY only).

Table 4
MR set commands

Command line					
(AU hhmm)	(PR)	MEter	dn	Value	nnnnn (SEt command only)
	FInd		dn1 dn2	ZEro	
	SEt		dnX	ON	
	"port ID"		ALI	OFf	
			CUstomer		
				Display	(ON)
					OFf
				ALI	(see Note)
Note: In all conditions including zero; but not after SEt command.					

Note: Access to the customer’s meter is allowed from the BGD only.

Meridian 1

Message Registration

Description and operation

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